

Division 3 Staff Meeting February 2005

Safety & Health (part 2)



Photo submitted by Sharon Bennett
Resident Engineer's Office
Wilmington

Kathy Stephens
Bill Stephenson

ONGARD: Poison Ivy Block



Poison Ivy without the leaves

Photos submitted by Stoney Mathis



Poison Ivy without the leaves

What happens when you eat
too much Poison Ivy?



Coning of Loads

**6 inches below freeboard all the way around
& Tarp**

Division 3 Safety from Iraq

**Never get in between equipment when chaining it
down**

Is SAFETY just a six letter word?

Incident Lowering Tail Gate

Use 3 people to lower tail gate, All 3 behind the tail gate

Communicate: ensure all clear, Lower tail gate in unison



Photos submitted by Larry Cavanaugh



Acetylene Incident

Why we don't store acetylene in
a closed up vehicle!

Incident Description

- This is an incident in Newcastle. It happened on Monday the 29th of September. A fitter with a works van left an E size Oxygen and Acetylene cylinder on the back seat of a Toyota dual cab over the weekend. The Acetylene cylinder must not have fully closed and a small leak occurred.
- Over the weekend the Acetylene had accumulated in the van. On the Monday morning the fitter approached the van and opened the door, a large explosion took place. We believe the ignition could have been caused by either the internal light, the automatic door control or by a mobile phone which was on the front seat of the van. The fellow was also a smoker. He has damage to his ear drums and facial damage. As you can see by the attached photos he was very lucky.

What Makes Acetylene so Bad!

- FLAMMABILITY LIMITS (% by volume in air): Lower: 2.5 Upper: 100 – **an extremely wide range!!!!**
- Use or store only in a well-ventilated area.
(**inside of the truck is not well ventilated**)
- NFPA RATINGS: Health 1; **Flammability 4**; Reactivity 3;

Modified Toyota Pick-up



Wider Perspective



Close - Up: Inside the cab



Oxygen and Acetylene

Oxygen & Acetylene Cylinders have to be stored 20 feet apart and be secured,

Unless,

There is a 5 foot block/metal wall between them,

OR,

They are secured on a cart.

If on cart, they have to be used within 24 hours, if not, remove and store the cylinders.

The End!!!!!!!!!!!!!!